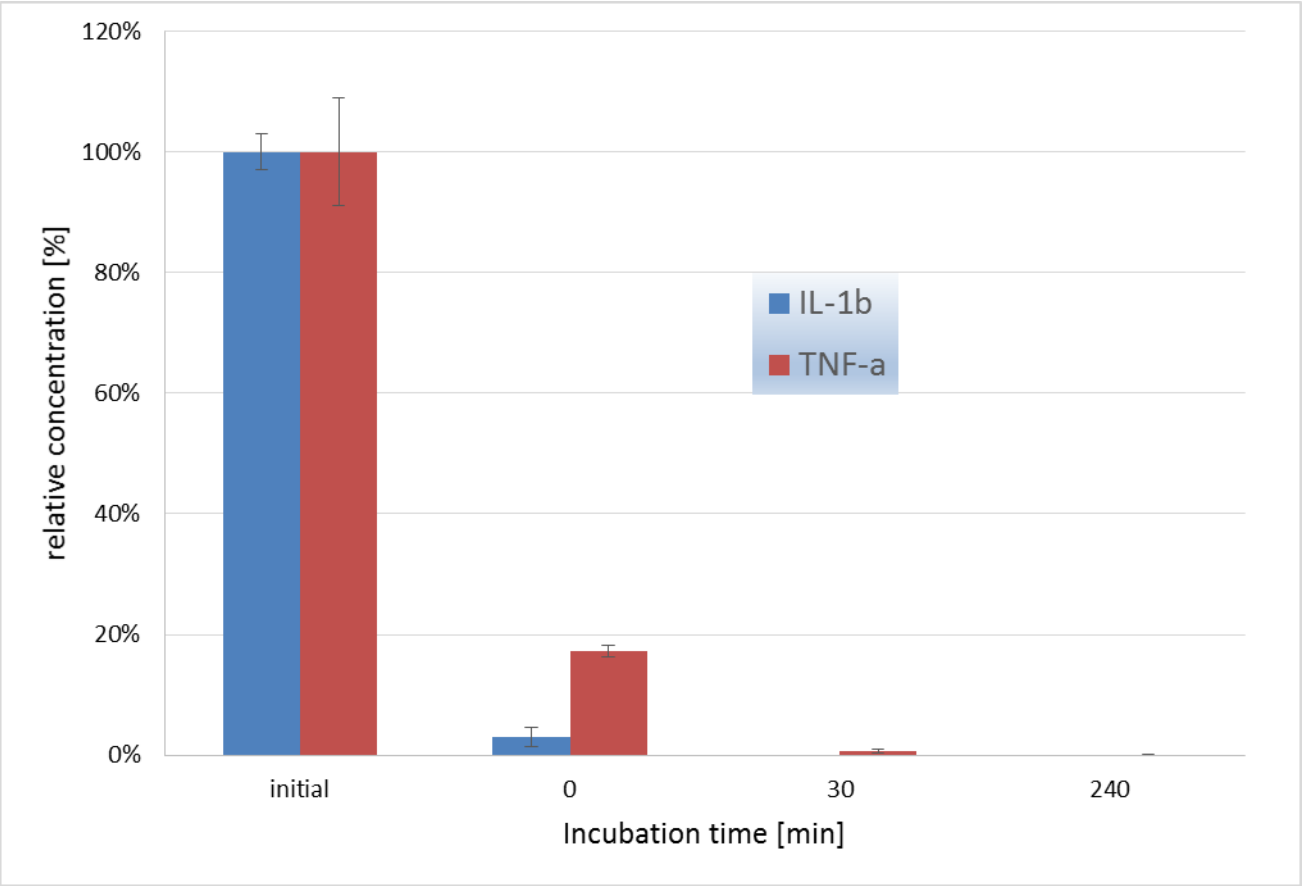

SDC3. Relative concentrations of IL-1β and TNF-α in supernatant upon adsorption to standard clinoptilolite at 125mg/ml in vitro. Clinoptilolite was first pre-incubated for 1 hour with 50% human serum in phosphate buffer saline on a rotator at 20 revolutions per minute, after which the suspension was mixed at a ratio of 1:1 with a standard human cytokine sample in serum and further incubated for the indicated time at 37°C on a rotator at 20 revolutions per minute. The suspension was subsequently centrifuged for 5 min at 10,000 revolutions per minute to pellet clinoptilolite and the remaining cytokine concentration was measured in the supernatant by ELISA. Concentrations are expressed in [%] relative to the initial concentration of the human cytokine sample. "Initial" represents the human cytokine sample mixed 1:1 with a solution made of 50% human serum in phosphate buffer saline without clinoptilolite. The time points represent incubation times with clinoptilolite before centrifugation. Decrease of the cytokine concentration in suspension after 0 min incubation indicates immediate adsorption or adsorption during the centrifugation step. Values at 30 min and 240 min for IL-1β and and at 240 min for TNF-α were below the detection limit of the ELISA test kits. There was a statistically significant difference between the levels of cytokines in the supernatant in the absence and presence of clinoptilolite regardless of incubation time ($p<0.05$, one-way analysis of variance, ANOVA, followed by t-test). Il-1β was not compared to TNF-α.